

electronic measurement signal representative of the intensity of said one of said light components.

21. (New) A white balance measurement unit according to claim 1, wherein said at least one LED is arranged to be reverse biased by the application of a voltage source and the electronic measurement signal is arranged to be generated by a current that flows in the LED when connected in reverse bias.

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22. (New) A white balance measurement unit according to claim 1, wherein said at least one LED is connected in series with a resistor and arranged to be reverse biased by the application of a voltage across the series connection of the LED and resistor and the electronic measurement signal is arranged to be generated as a voltage measurement across the resistor.

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23. (New) A white balance measurement unit according to claim 2, comprising two LEDs one having a response to blue light and being arranged to generate an electronic measurement signal representative of the intensity of a blue light component, the other having a response to red light and being arranged to generate an electronic measurement signal representative of the intensity of a red light component.

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24. (New) A white balance measurement unit according to claim 1 further comprising an LED with a response to a light component whose intensity correlates with a total intensity of light and being arranged to generate an electronic measurement signal representative of the total intensity of light.

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24 (New) A white balance measurement unit according to claim  
25, wherein the LED has a response to green light.

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26 (New) A white balance measurement unit according to claim 1, wherein said at least one LED is arranged to generate an electronic measurement signal representative of the intensity of a light component in a first frequency band and to radiate light in a second frequency band different from the first frequency band.

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27 (New) A white balance measurement unit according to claim 1, wherein said at least one LED is a discrete LED component.

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28 (New) A white balance measurement unit according to claim 1, wherein said at least one LED is part of an integrated circuit.

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29 (New) A white balance measurement unit according to claim 1, wherein said at least one LED is integrated onto a printed circuit board.